

Fluoromount G™

Product Information

Name :	Fluoromount G™	Fluoromount G™ with DAPI
Catalog Number :	FP-483331, 25ml	FP-GO3520, 20ml
Form :	in phosphate buffered saline, pH 7.4, containing 0.1.% sodium azide as preservative	
$\lambda_{exc} / \lambda_{em}$ (DNA-bound)	358 / 461 nm	

Storage: Store at +4°C (L). May be stored at room temperature for 3 months .

WARNING: Reagent contains sodium azide which is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.

Fluoromount G™ is a clear liquid mounting medium for slides mounted after a staining procedure having an aqueous final step. Refractive Index is about 1.40. It contains a non-fluorescing compound, based on acrylate in phosphate buffered saline, pH 7.4, containing 0.1% sodium azide preservative, making it ideal in immunofluorescence techniques.

Fluoromount G reduces fluorochrome quenching and irreversible photobleaching during analysis of slides by fluorescence microscopy. Hence, it prevents loss of signal during microscopic examination, preserving sensitivity, particularly when target molecules are of low abundance or when excitation light is of high intensity or long duration. The photobleaching is also implicated in phototoxicity, which may adversely impact cell viability and data quality.

This mounting medium inhibits photobleaching of various fluorochromes, including Fluorescein, much better than classical formulations containing glycerol, polyvinyl alcohol.

Fluoromount G also provides a semi-permanent seal for long-term storage of slide preparations at 2-8°C, and retains its anti-fading ability during long-term storage.

Fluoromount G is available with a nuclear stain, DAPI, to achieve mounting and counterstaining in a single step.

Directions for Use

Protocol 1^{||}: Slide preparation

1. Prepare cytocentrifuge preps according to established procedures.
2. Fix (i.e. with 95% ethanol/5% glacial acetic acid for 20 minutes at -20°C) and rehydrate preps immediately in a staining dish containing fresh phosphate buffered saline (PBS) (2-3 changes).
3. Remove one slide at a time from aqueous buffer, add 1 drop (ca 50µl) of Fluoromount-G™ directly to cell prep, mount
4. Cover slip and press gently with a gauze sponge to remove excess mounting medium and to seal the cover slip with nail polish for long term storage.
5. Allow mounted preps to air dry for 5 minutes before examination.

Protocol 2^{||}: Removal of Fluoromount™

Fluoromount™ is an aqueous based mounting medium and can easily be removed by soaking the slides in de ionized water: Place the slide in a beaker full of de ionized water on a magnetic stirrer.

Leave the slide for few hours to overnight with gentle stirring for complete removal of dry Fluoromount™.

FT-483331

References

- **Bertho N. et al.**, Efficient migration of dendritic cells toward lymph node chemokines and induction of TH1 responses require maturation stimulus and apoptotic cell interaction, *Blood*, Vol. 106, No. 5, pp. 1734-1741 (2005) [Article](#)
- **De Jong, J.H.**, "A carmine-Giemsa staining technic for meiotic prophase chromosomes of the genus *Beta L.* », *Stain Technol.*, **53**, 169 (1978) [Abstract](#)
- **Dron M. et al.**, Proteasome inhibitors promote the sequestration of PrP^{Sc} into aggresomes within the cytosol of prion-infected CAD neuronal cells, *J. Gen. Virol.*, 90: 2050 - 2060 (2009) [Abstract](#)
- **Gurr, E.**, « Fluorescence microscopy. », *J.R. Nav. Med. Serv.*, **37**, 133 (1951)
- **Innocentini S. et al.**, *Lactococcus lactis* Expressing either Staphylococcus aureus Fibronectin-Binding Protein A or *Listeria monocytogenes* Internalin A Can Efficiently Internalize and Deliver DNA in Human Epithelial Cells, *Appl. Envir. Microbiol.*, **75**: 4870 - 4878 (2009) [Abstract](#)
- **Le Roux D. et al.**, Syk-dependent Actin Dynamics Regulate Endocytic Trafficking and Processing of Antigens Internalized through the B Cell Receptor, *Mol. Biol. Cell*, Vol. 18, Issue 9, 3451-3462 (2007). [Article](#)
- **Luxardi G. et al.**, Distinct *Xenopus* Nodal ligands sequentially induce mesendoderm and control gastrulation movements in parallel to the Wnt/PCP pathway, *Development*, **137**: 417 – 426. (2010)
- **Pereira J. et al.**, Infection Reveals a Modification of SIRT2 Critical for Chromatin Association, *Cell Reports*, Volume 23, Issue 4, Pages 1124-1137 (2018)
- **Shoaito H. et al.**, The Role of Peroxisome Proliferator-Activated Receptor Gamma (PPAR γ) in Mono(2-ethylhexyl) Phthalate (MEHP)-Mediated Cytotrophoblast Differentiation, *Environmental Health Perspectives*, **2**:127 (2019)

Related Products

- | | |
|--|---|
| -DAPI, FP-99963A | -FluoProbes® 647H-Phalloidin (653/675nm), FP-BZ9630 |
| -Fluoro-Gel mounting medium, FP-AL2561 | -FluoProbes® 547H-Phalloidin (557/572nm), FP-BZ9620 |
| -Fluoro-Gel mounting medium with DAPI, FP-DT094A | -FluoProbes® 547H-Goat anti-Mouse IgG, FP-SB4000 |
| -V-Mounting medium, glycerol with PPD, FP-WU1480 | -FluoProbes® 547H-Goat anti-Rabbit IgG, FP-SB5000 |

Ordering information

Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask : FluoProbes / Interchim; Hotline : +33(0)4 70 03 73 06

Safety information:

R: 10 - 20/21 - 38 • S: 9 - 25 - 36/37 - 43h - 60 • Irritant Xn

EG-Index-No.: 601-022-00-9 • GGVSE/ADR: 3 III • IATA: 3 III • UN 1307 • WGK 2 • HS-No. 38220000 ¹

Disclaimer : Materials from FluoProbes® are sold for research use only, and are not intended for food, drug, household, or cosmetic use.

FluoProbes® is not liable for any damage resulting from handling or contact with this product.

Fluoromount-G® is a trademark of Southern Biotechnology Associates, Inc

Rev.P06E-E114